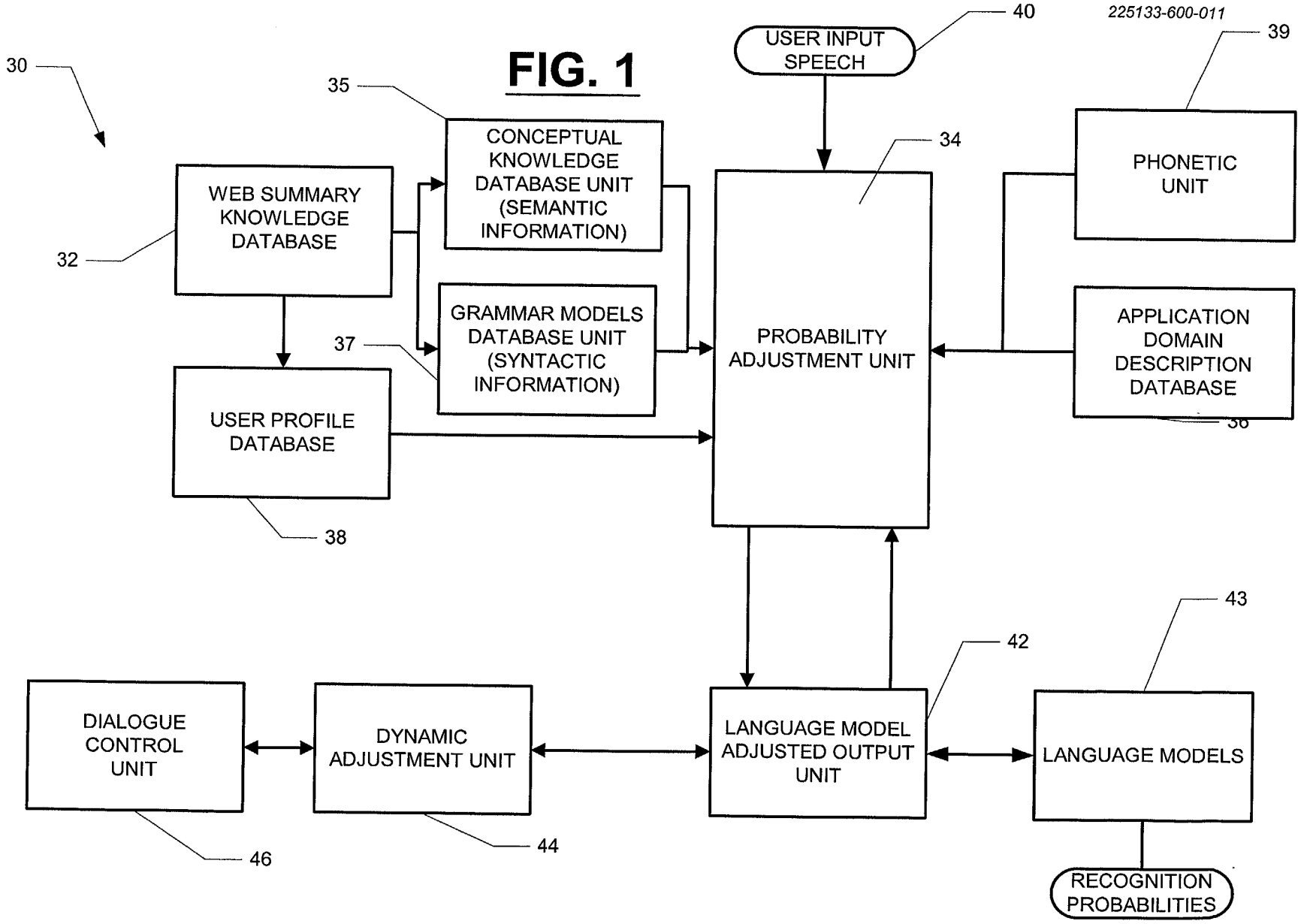
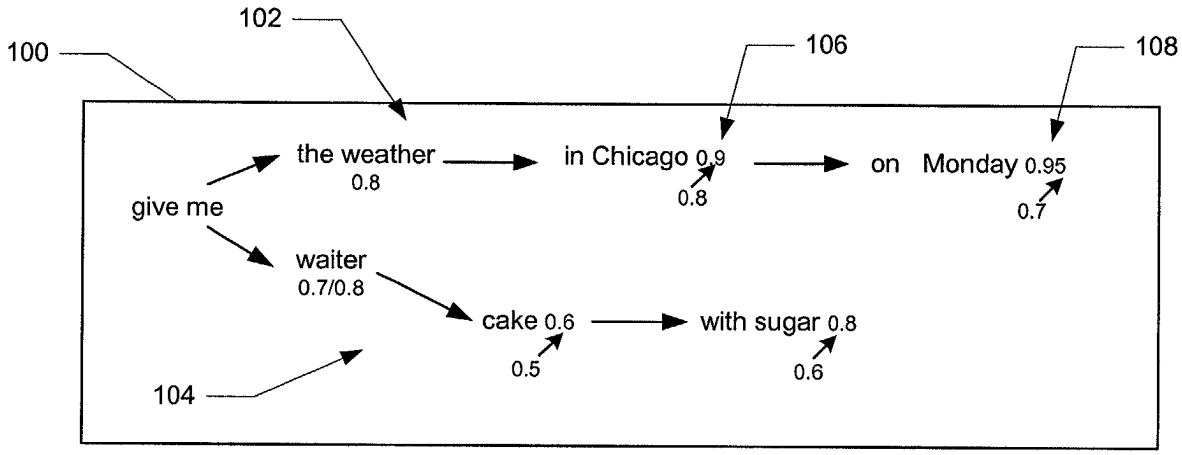
Toh260" 5thOh9860





N-BEST SEARCH WITH PROBABILITY ADJUSTMENT

FIG. 2

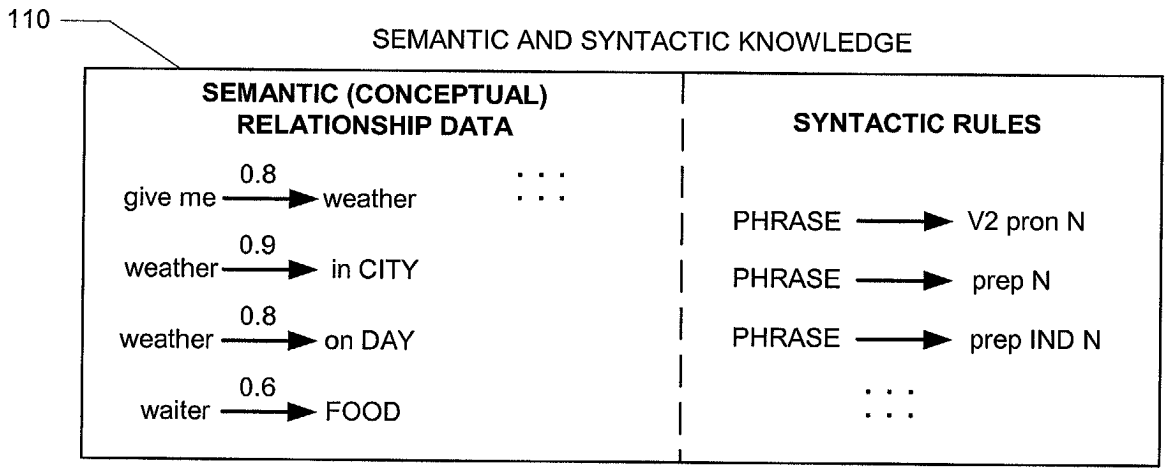

110
SEMANTIC AND SYNTACTIC KNOWLEDGE
SEMANTIC (CONCEPTUAL) RELATIONSHIP DATA
SYNTACTIC RULES
give me 0.8 weather
weather 0.9 in CITY
weather 0.8 on DAY
waiter 0.6 FOOD
PHRASE V2 pron N
PHRASE prep N
PHRASE prep IND N

FIG. 3

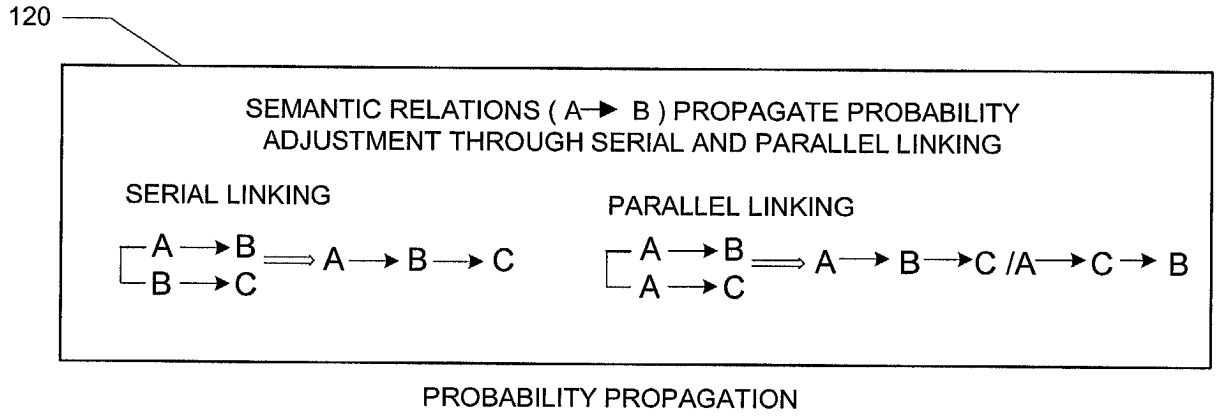

120
SEMANTIC RELATIONS (A→ B) PROPAGATE PROBABILITY
ADJUSTMENT THROUGH SERIAL AND PARALLEL LINKING
SERIAL LINKING
A → B
B → C
⟹ A → B → C
PARALLEL LINKING
A → B
A → C
⟹ A → B → C /A → C → B
PROBABILITY PROPAGATION

FIG. 4

FIG. 5

36

		WORDS			
		REFILL-INK	OUTDOOR	OFFENSE	OUTPUT
DOMAINS	ENTERTAINMENT	L	H	L	L
	COMPUTER PRINTERS	H	L	L	H
	LAW	L	L	H	L
	WEATHER	L	H	L	L

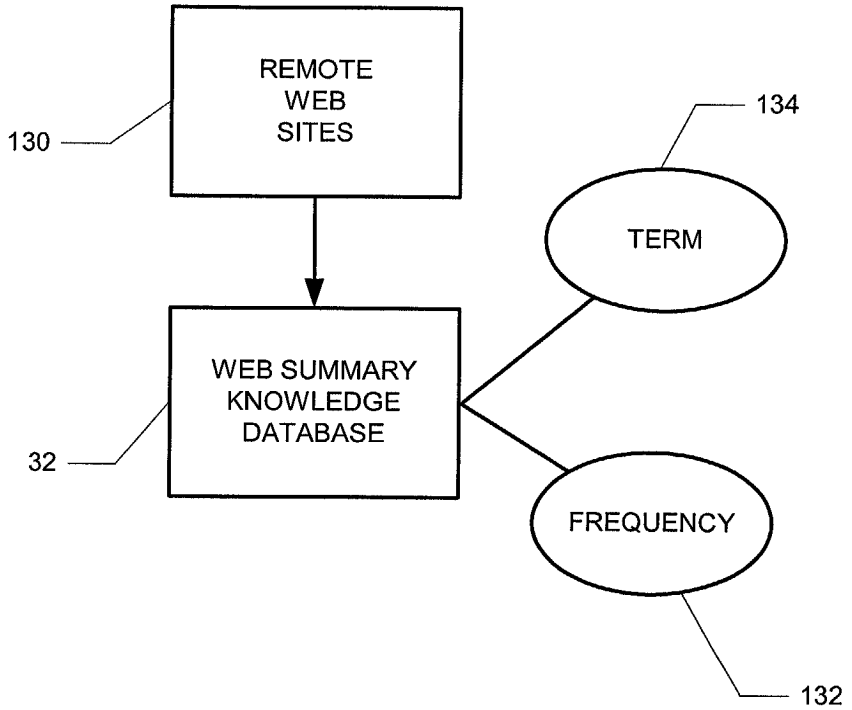

REMOTE
WEB
SITES
130
134
TERM
WEB SUMMARY
KNOWLEDGE
DATABASE
32
FREQUENCY
132

FIG. 6

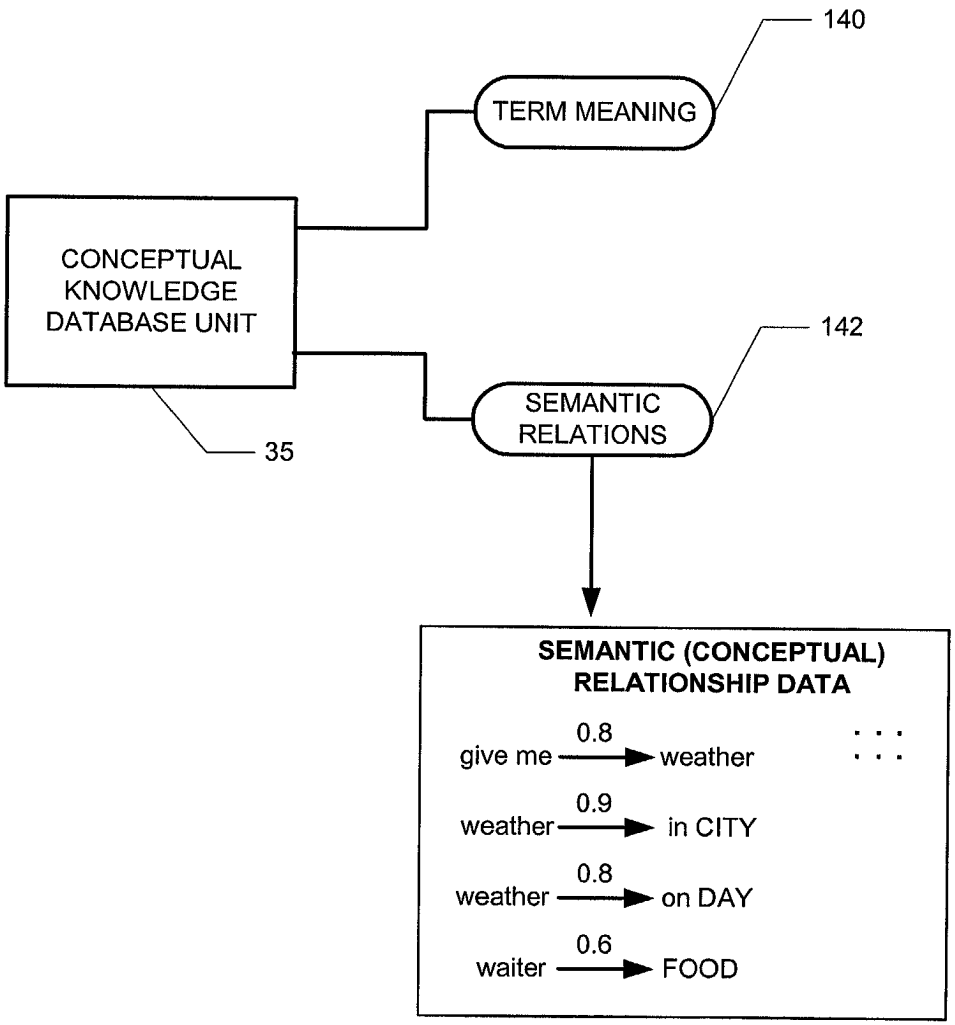

140
TERM MEANING
CONCEPTUAL KNOWLEDGE DATABASE UNIT
142
SEMANTIC RELATIONS
35
SEMANTIC (CONCEPTUAL) RELATIONSHIP DATA
give me 0.8 weather
weather 0.9 in CITY
weather 0.8 on DAY
waiter 0.6 FOOD

FIG. 7

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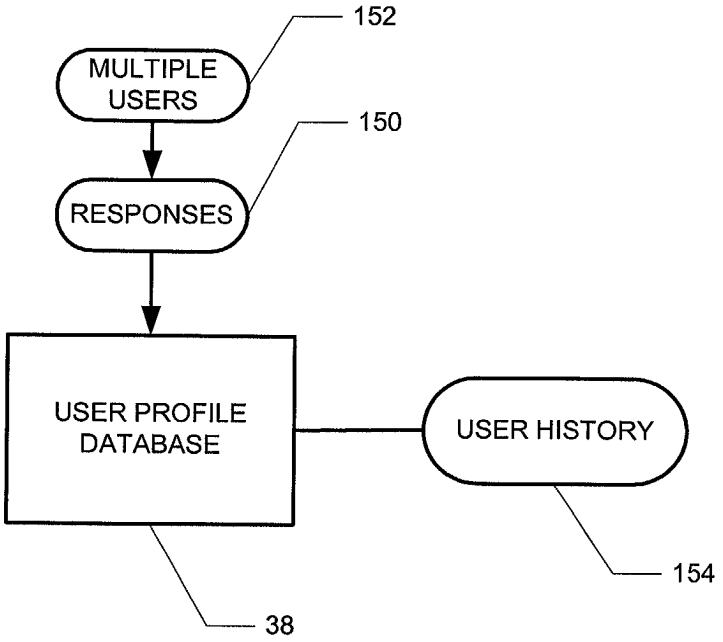

FIG. 8

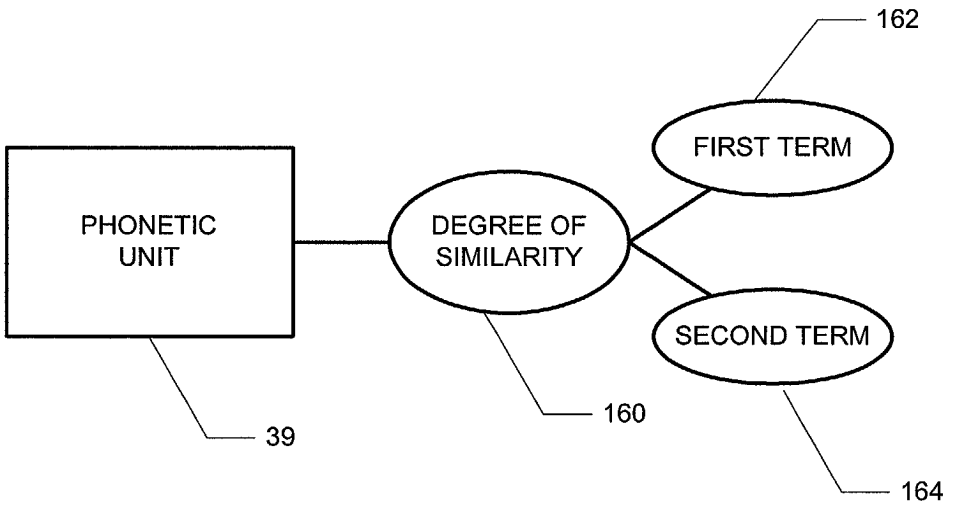
162
FIRST TERM
PHONETIC UNIT
DEGREE OF SIMILARITY
SECOND TERM
39
160
164

FIG. 9